Depth of Study Requirements

As of Fall 2011

Mathematical Concepts

(THIS IS <u>NOT</u> THE SAME AS A SPECIAL FIELD. THIS IS FOR STUDENTS FOLLOWING THE CATALOG STARTING IN FALL 2004)

In this Depth of Study, students have the opportunity to explore a variety of mathematical concepts. Topics may include number theory, algebra, functions, graphs, probability, descriptive statistics, calculus, proof techniques, history of mathematics, linear algebra, and differential equations.

Core Courses—must be taken sequentially in the order listed		
Choose one:	MATH 100, MATH 125, OR MATH 242	3-4 units
Required:	MATH 160*, Calculus with Applications I	5 units
Choose two:	MATH 162♦, 260**, 270♦, 330♦, 362**, OR 374♦	6-8 units
		Total required: **14-17 units**

*Prerequisite required: Math 125 or a High School background in Algebra I & II, Geometry, and Trigonometry

♦Prerequisite required: Math 160

**Prerequisites required for the following: Math 260 and Math 362 require Math 162

Note on Transferring in Approved Equivalent Courses

See University Catalog for course descriptions and prerequisite information. ***Approved*** equivalents of lower-division courses may be completed at community colleges or other regionally accredited institutions. Go to www.assist.org to find equivalents to the lower-division courses at CA Community Colleges. Any courses not listed on Assist must be approved by faculty in the department offering the course. A maximum of seventy (70) semester units earned in a community college may be applied toward the degree.

Note on Upper-Division Units Required for Graduation:

Students need at least 40 upper-division units of coursework to graduate from CSUSM. Students are responsible for taking sufficient upper-division units to graduate. Because this depth of study module includes lower-division coursework, **students MUST carefully choose other required courses and electives to insure 40 upper-division units** are completed for graduation.

Note on pursuing a minor in Mathematics:

Depth of Study courses may be counted toward a minor, but the requirements are not identical. Additional coursework is required to complete the minor. See the current University Catalog for minor requirements. An official minor declaration must be submitted to Enrollment Services.

DECLARATION OF DEPTH OF STUDY FOR THE <u>ESM OPTION ONLY</u>:

Please sign & date this declaration and return it to Advising in CRA 1300 (ICP: return to Gwen Hansen):

Student Name: _____   **Student ID#** _____

- I am following the ESM option in the Liberal Studies major, and I declare **MATHEMATICAL CONCEPTS** as my Depth of Study. I agree to follow the course requirements listed.
- I understand that I must follow these course requirements even if I am pursuing a minor in a related field.

Student Signature _____ Date: _____

Advising Use Only (please date and initial):

Entered on database:_____   Entered on PS: _____